

ALEKSANDROV, Ye.; NOVAKHOVSKAYA, D. S.

Retarder for *gypsum* hardening based on casein. Stroitel' 2 no.6:21
Ag '56. (MLRA 9:12)

(Gypsum) (Casein)

NOVAKOV, B.

"Planning and Accounting for Unfinished Production in Machinery Factories",
P. 6. (TEZHKA PROMISHLENCST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

NOVAKOV, B.

NOVAKOV, B. Problems in planning the operations of production;
experiences of the G. Dimitrov State Metallurgic Plant
in Ruse. p.9.

Vol. 5, no. 2, 1956, TEZHKA PROMISHLENOST, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,
Oct. 1956.

NOVAKOV, B.

"Experiments for organizing continuous operation of production in the assembling workshop of the G. Dimitrov State Machine Plant in Ruse."

p.37 (Tezhka Promishlenost, Vol. 7, no. 1, Jan. 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 8, August 1958

NOVAKOV, B.

Problem of determining the amount of labor consumption in machine building. Mashinostroene 11 no.5:6-8 Ky '62.

1. Viskh institut po mekhanizatsiia i elektrifikatsiia na selakoto stopanstvo.

NOVAKOV, Boris

Mechanization and automation of the management and maintenance
in the machine-building industries. Trud tseni 5 no.3:1-12 '63.

KOVACH, D.I.

KOVACH, D. Phenomena of crisis in the wood industry of the USA. Tr. from the Russian. p.62. Vol. 5, no. 3, Mar. 1955. FAIAR. Budapest, Hungary.

SOURCE: East European Accessions List (EAL) Vol. 6, No. 4--April 1957

NOVAKOV, D.I., dots., kand. ekon. nauk

Specialization and cooperation in the furniture industry.

Nauch. trudy MLTI no.6:123-131 '56.

(MIRA 11:12)

(Furniture industry--Management)

STEPANYANTS, S.A.; MORDASHOV, V.N.; ISHCHUK, Yu.L.; STROM, D.A.;
YENA, B.P.; NOVAKOV, G.Kh.

Continuous process of paraffin oxidation in the liquid-foam
state aimed at the production of synthetic fatty acids. Trudy
BONZ no.1:20-25 '63. (MIRA 16:6)

(Paraffins) (Oxidation) (Acids, Fatty)

STEPANYANTS, S. A., inzh.; MORDASHOV, V.N., inzh.; ISHCHUK, Yu.L.,
inzh.; STROM, D.A., inzh.; YENA, B.P., inzh.; KOVAKOV, G.Kh.,
inzh.

Continuous process for paraffin oxidation in a liquid foamed
state. Masl.-zhir. prom. 29 no.3:21-23 Mr '63.

(MIRA 16:4)

1. Berdyanskiy opytный neftemaslozavod.
(Paraffins) (Oxidation)

NOVAKOV, I.

Correct utilization of electric power of parallelly operating transformers. p. 15.

Vol. 6, no. 11, Nov. 1955
ELEKTROENERGIJA
Sofiya, Bulgaria

so: Eastern European Accession Vol. 5 No. 4 April 1956

NOVAKOV, I.

Mica and its properties. p.13 ELEKTROENERGIJA. (Ministerstvo
na elektrifikatsiata i Profsuiz na elektroabotnitsite) Sofia.
Vol. 7, No. 2, February 1956

SOURCE: East European Accessions List, (ETAL) Library of
Congress, Vol. 5, No. 11, November 1956

NOVAKOV, I.

Some interesting electric equipment exhibited at the second Czechoslovak Machine -
Donstruction Exhibition in Brno. p. 20.

(ELEKTROENERGIJA, Vol. 7, no. 12, Dec. 1956, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) IC, Vol. y, no. 12, December 1957 Uncl.

NOVAKOV, f.

Electric blocking against disconnected switches with load.

p. 19 (RATSIONALIZATSIIA) Vol. 7, no. 10, Oct. 1957,
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

NOVAKOV, I.

"The generator of Hall."

ELEKTROENERGIJA, Sofia, Bulgaria, Vol. 10, no. 3, Mar. 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, ^{Sept.} Jun 59,
Unclas

NOVAKOV, L.

The sorghum. Prir i znanie 18 no.1:9-10 Ja '65.

NOVAKOV, P., inzh.

Improvement of methods in determining the number of permanently employed personnel in Bulgarian machine building plants. Mashinostroene 13 no.4:4-8 Ap '64.

NOVAKOV, P., inzh.

Mechanization and automation of the managerial and administrative labor. Tr. taeni 3 no.10:64-69 '61.

NOVAKOV, P., ingh., nauchnyy sotrudnik

Increasing labor productivity and material personal interest
in the machinery industry of Czechoslovakia. Mashinostroeniye 10
no.12:32-36 '61.

MIKHAILOV, M.; NOVAKOV, P.; GEORGIEVA, K.

Preparation of ionantol and methylundecylate through the
pyrolysis of methylricinoleate over the lead fusion. Khim
i industriia 34 no.5:174-177 '62.

NOVAKOV, Pencho, inzh.; PETKOV, Milko

For a wider application of mathematical methods in labor
standardization. Trud tseni 5 no. 8:41-52 '63.

NOVAKOV, S. & MILUTINOVIC, V.

"Determination of Surface Area of a Powder by the Ion Exchange Method

SO: Recueil de Travaux, Vol 1. Belgrade. July 1952 (Pub of Vinca Inst)

NOVAKOV, Tikhomir M.

9-21-51

PMZ

Physics Science Abstracts
Vol. 15, 19.6
Physics

METHOD FOR THE MEASURING OF LOW ENERGY
B-RAY SPECTRA. Tikhomir Novakov. Bull. Inst.
Nuclear Sci. "Boris Keldysh" (Soviet Union) 1, 1-6 (1951)
July. (In English)

A method for low-energy β -ray spectrum measurement
is described which employs a preacceleration of the
electrons from a uniform source. (K.S.)

1952

NOVA KOV, Tihomir M

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Nuclear Phenomena

The Alpha Spectra of Radium E, Francium, and Actinium
(Lett. 1953) (in French) (Bull. Acad. Sci. Paris, Ser. B, 1953, No. 1, 11-12) (in French).—A β -ray spectrograph was used to identify lines at 75, 80, and 86 e.v. from Ra E.
J. E. Hudgens

NOVAKOV, TIHOMIR M.

1925

V PREPARATION OF THIN BETA-RAY SOURCES BY EVAP-
ORATION AND CATHODE SPUTTERING. Tihomir M.
Novakov and Milorad B. Mirdjenovic. Bull. Int. Nuclear Sci.
"Boris Kidrich" (Belgrade) 8, 69-73(1956) Mar.

Phys A description is given of a new method of preparation of
thin β sources, based on the cathode sputtering. The results
for Ir and Eu are given. A graphite oven, convenient for the
thermal evaporation at high temperature, is also described.
(auth)

MLADJENOVIC, Milorad S. [Mladenovic, Milorad S.]; NOVAKOV, Tihomir M.;
ZUPANCIC, Mladen T.

External conversion spectrum of Pt^{192} gamma rays from the decay of
 Ir^{192} . Bul Inst Nucl 10:15-17 Mr '60. (EEAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of
Physics.

(Spectrum analysis)	(Platinum)	(Iridium)
(Gamma rays)	(Radioisotopes)	

NOVAKOV, Ye.I., inzh.

Photoelectric methods of continuous control of concentrations of
suspended matter. Sbor.trud. VNIISTROMMASHA no.2:81-120 '60.
(MIRA 16:12)

HRBEK, Miloslav; NOVAKOVA, Alena

Cervical rib. Cas. lek. cesk. 101 no.37:1113-1118 14 S '62.

1. Chirurgické odd. Krajské nemocnice v Ústí n. Labem, přednosta MUDr.
J. Rodling -- Neurologické odd. Krajské nemocnice v Ústí n. Labem,
přednosta MUDr. J. Ponca.

(SCALENUS ANTICUS)

CZECHOSLOVAKIA

EMRLICH, V.; FROMKOVA, K.; NOVAKOVA, A.; Institute for Blood-circulation Diseases (Ustav pro Choroby Obehu Krevniho) in Prague - Krc.

"Significance of Pressoreception of Sinus Caroticus and Arcus Aortae for Higher Nervous Activity in Dogs."

Prague, Activitas Nervosa Superior, Vol 5, No 4, 1963, p 412

Abstract: Vegetative reaction at rest, at feeding time and the blood circulation as result of these reaction was studied on 3 dogs after twosided denervation of sinus caroticus and arcus aortae in the 2nd, 3rd and 13th month after the operation. No references. Submitted at the Medical Congress in Prague, November 1962.

1/1

LAVICKA, J.; BLAHOS, J.; BRABENCOVA, H.; SITAJ, S.; VIRT, S.;
MIKUS, F.; KRESANEK, E.; Spolupracovali: MESTAN, J., MUDr.,
SFN - transfuzni stanice, Praha 10; KULICH, Vl., MUDr.,
TS - Plzen; DZAVIK, Vl., MUDr., TS Gelnica; ZOLLNAYOVA,
Trencin, MUDr.; Laboratorni prace: PREUSOVA, H.; NOVAKOVA, A.;
LUSKOVA, K.

Normal levels of blood uric acid in various regions of Czecho-
slovakia. Cas. lek. cesk. 102 no.34:937-941 23 Ag '63.

1. Klinika chorob vnitrnich lekarske fakulty KU v Plzni, pred-
nosta prof. dr. K. Bobek Vyzkumny ustav endokrinologicky v
Praze, reditel doc. dr. K. Silink Vyzkumny ustav chorob rev-
matickych v Piestanech, reditel doc. dr. S. Sitaj Interne
oddelenie OUNZ, Gelnica, veduci MUDR. F. Mikus.
(URIC ACID) (BLOOD CHEMICAL ANALYSIS)

CERVENKA, J.; TLUCKOVA, I.; Technická spolupráca: HODÁLOVA, M.; ADAMCOVA, A.;
ADAMCOVA, A.; KCVACIKOVA, E.

Long-term studies of dynamics of sensitivity to standard tuberculin
in babies and infants vaccinated in the neonatal period with a
Czechoslovak BCG vaccine (controlled longitudinal study. Statist.
lek. listy 45 no.2:65-77 31 JI '65.

1. Vyskumny ustav epidemiologie a mikrobiologie v Bratislave
(riaditel doc. MUDr. J. Karolsek) a Obvodni ustav nar. drin.
zdravi v Trencine (riaditel MUDr. L. Pielek .

NOVAKOVA, D.I., dots., otv. ... KHILKO, I.A., red.; ...
I.I., dots., red.; ... I.A., red.; ...
red.

[A conference on the ... of scientific research in
1962. Section of ... sciences; abstracts of reports]
Nauchno-tekhnicheskaya ... nferentsia po itogam nauchno-
issledovatel'skikh ... 1962 goda. Sektsiya nauchno-
stvennykh nauk; tezisy ... slov. Moskva, 1963. 28 p.
Moscow. Moskovskiy ... 17:10,
Tekhnicheskii institut.

NOTAL: 1A 2

col. John Dwyer. West India. Vol. 7, no. 2, Mar. 1854

NOVAKOVA, E.

5th Congress of Dietitians in Carlsbad.

p. 167 (VYZIVA LIDU) Vol. 12, no. 11, Nov. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEA) LC, Vol. 7, No. 3,
March 1958

HANZAL, F.; STASTNY, M.; NOVAKOVA, E.

Immunoelectrophoresis of the cerebrospinal fluid. II. Our experiences and the significance of immunoelectrophoresis in neurology. Cesk. neurol. 28 no.3:152-158 Ap '65

1. Neurologická klinika fakulty všeobecného lékařství Karlovy University v Praze (prednosta: akademik K. Henner); Laborator pro výzkum bílkovin a proteosyntezu Československé akademie věd v Praze (reditel: prof. dr. J. Horejší).

L 12828-66

ACC NO: AP6005702

SOURCE CODE: CZ/0082/65/000/003/0152/0158

AUTHOR: Hanzal, F.; Stastny, M.; Novakova, E.

ORG: Neurological Clinic, Faculty of General Medicine, Charles University, Prague
(Neurologická klinika fakulty všeobecného lékařství KU); Laboratory for Protein
Research and Proteosynthesis CSAV, Prague (Laborator pro výzkum bílkovin a
proteosyntezu CSAV)

TITLE: Immunelectrophoresis in the cerebrospinal fluid. II. Personal experience
and the importance of immunelectrophoresis in neurology

SOURCE: Ceskoslovenska neurologie, no. 3, 1965, 152-158

TOPIC TAGS: biochemistry, neurology, central nervous system, pathology,
electrophysiology

ABSTRACT: 76 cerebral fluids and 54 blood sera samples were investigated; pathogenic
changes in the CNS are discussed. Mechanism of the barrier between blood and spinal
fluid is described. The inflammatory fluid syndrome is a pathophysiological phenomenon,
and it is not caused by microorganisms. Increase in lipoproteins, in albumin, and of
haptoglobulins in the fluid is discussed, and the diseases corresponding to these
facts described. Orig. art. has: 9 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 005

Card 1/1 HW

NOVAKOVA, E.

SEIDLER, R., MUDr; DANESOVA, J., MUDr; NOVAKOVA, E., MUDr

Plasma transfusion in therapy of serious cases of ulcerative stomatitis
in children. Cesk. pediat. 10 no.1:25-26 Feb 55.

1. II Infekční odd. na Bulovce (predn.: Doc. Dr. V. Kredba)
(VINCENT'S INFECTION, in infant and child
ther., blood transfusion)
(BLOOD TRANSFUSION, in various diseases
Vincent's infect. in inf. & child.)

STASTNY, M.; MICHALEC, C.; NOVAKOVA, E.

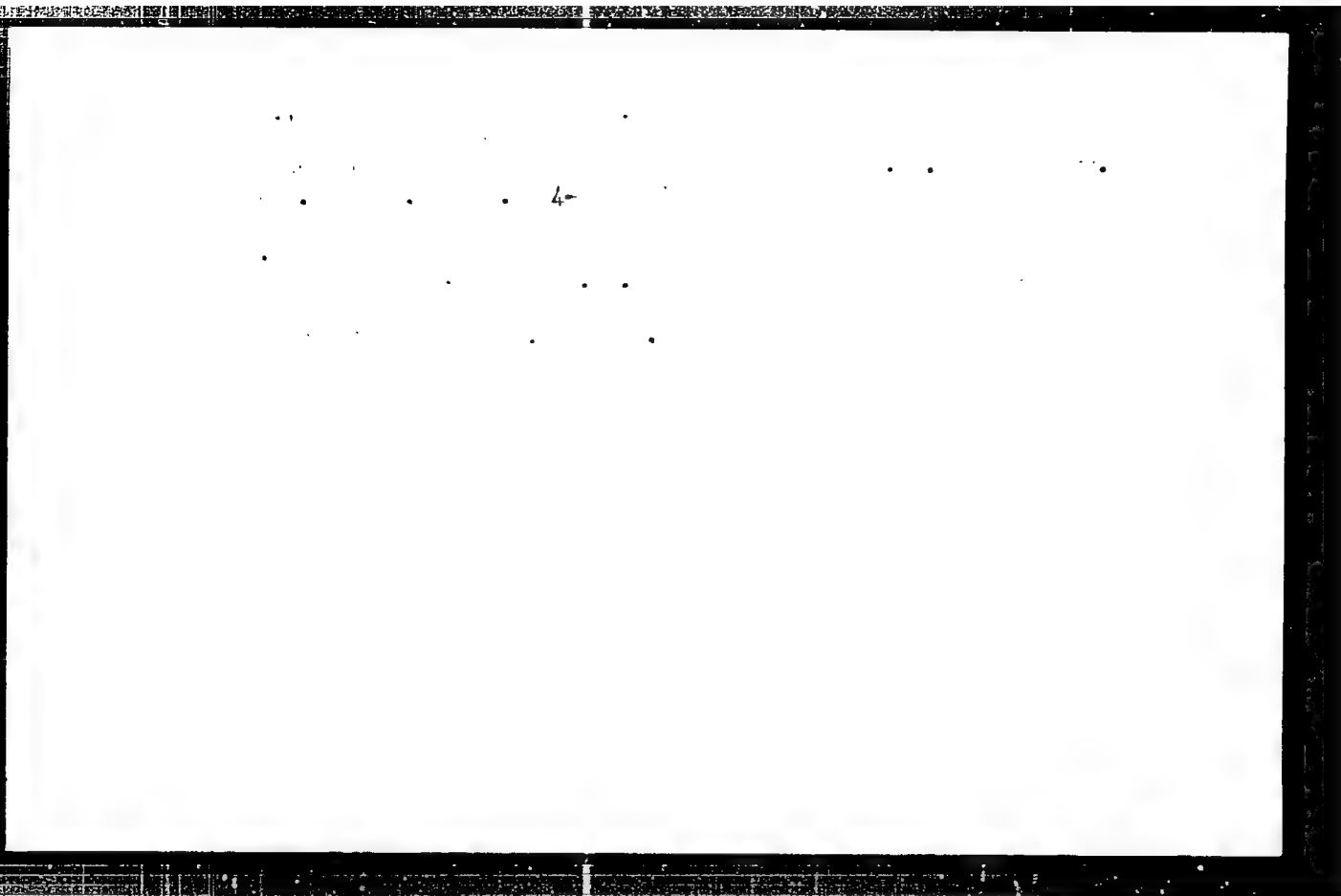
Contribution to the study on lipoproteins in the blood serum.
Acta univ. carol. [med.] Suppl. 14:271-278 '61.

1. Laborator pro metabolismus bilkovin a proteosynthesu fakulty
vseobecneho lekarstvi University Karlovy v Praze, prednosta prof.
dr. J. Horejsi.

(LIPOPROTEINS blood)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001137410019-4



APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001137410019-4"

NOVAKOVA, Eliska, inz., dr., C.Sc.; HENIK, Milan, inz.

Contribution to the knowledge of animal community in Central European beach forests. Les cas 9 no.1:49-60 Ja '63.

1. Ustav pro tvorbu a ochranu krajiny, Ceskoslovenska akademie ved a Laborator pro uzitou zoologii lesnickou, lesnicka fakulta Vysoke skoly zemedelske, Praha.

NOVAKOVA, Eliska, inz., dr., ScC.; WOLF, Robert, inz.

Game breeding in the gradual shelterwood cutting system.
Les cas 9 no.4/5:363-388 '63.

1. Ustav pro tvorbu a ochranu krajiny, Ceskoslovenska akademie ved, Kostolec nad Cernymi lesy (for Novakova).
2. Lesnicka fakulta, Vysoka skola zemodelska, Praha (for Wolf).

NOVÁKOVÁ, Eliska; HANZL, Rudolf

Problem of biological struggle against mice rodents in forests. Les cas 9 no.10:945-953 0 '63.

J. Dotav pro tvorbu a ochranu krajiny, Ceskoslovenska akademie ved, Kostelec nad Cernym lesy.

NOVAKOVA, Gabriela: CAP, Jan

Essential pulmonary hemosiderosis in a 4 and half year old boy.
Cesk.pediat. 15 no.8:715-719 Ag '60.

1. II. detskaklinikalekarskej fakulty univerzity Komenskeho v
Bratislave, prednosta doc. MUDr. J.Michalickova.
(HEMOSIDEROSIS in inf & child)
(LUNG DISEASES in inf & child)

CH. CHARLES, 1111 1/2 Ave. d. Mar. 1911. 11-11-11. 11-11-11.

Ans. Jones : 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 84

For : . . . , 1968

1. The following is a list of the names of the persons who have been identified as having been involved in the activities of the "Black Panther Party" in the United States:

Mr. L. J. ... 7, 513-60

ASST. : 11:50.

Car 11

NOVAKOVA, Helena

Survey of the activity and results of the tissue bank of the
Regional Office of National Health in Hradec Kralove. Sborn.
ved. prac. lek. fak. Karlov. Univ. (Hrad. Kral.) 6 no.3:
Supplement: 293-295 '63.

1. Katedra organizace zdravotnictvi, fakultni nemocnice KUNZ.

*

STRNAD, I., prac. ekon.; GABRIEL, J. MUDr.; NOVAKOVA, H. MUDr.

On teaching social sciences and public health at medical
faculties. Cesk. zdrav. 12 no.10:525-528 O '64.

1. Katedra zdravotnictví lékařské fakulty Karlovy University
v Hradci Králové.

GABRIEL, J., MUDr.; NOVÁKOVÁ, E., MUDr.; STENAL, L., prof. Dr. MUDr.;
GAISLER, J. MUDr.; BIDMAN, J., MUDr.; HOPAK, Fr., Techn. ze
spoluprace ČERNÁ, V.

Study of a group of diseased patients in the University Hospital
in Hradec Králové for a 1-year period. Česk. zdrav. 12: 543-555
543-555 N° 64.

1. Katedra organizace zdravotnictví, 1. lékařská fakulta, Karlova Univerzita
a Krajský ústav národního zdraví v Hradci Králové na odborné
spolupráci klinických pracovníků.

STERNAD, L. prom. ekonom.; GABRIEL, J., MUDr.; NOVAKOVA, H., MUDr.

Motivation of patients to visit physicians and some problems in organization of health care in urban health communities. Cesk. zdrav. 13 no.1:4-9 Ja '65

1. Katedra zdravotnictvi lebarske fakulty Karlovy University v Hradci Kralove.

STERNAD, L., inž., 'Sc.; NOVAKOVA, H., MUDr.

Possibilities of application of sociometric methods in the management of work collectives of physicians. Cesk. zdrav. 13 no.7/8:377-382 Ag '65.

1. Katedra zdravotnictví lékařské fakulty Karlovy University v Hradci Králové.

STAN, Ladislav; D. AKA, Helena

Influence of social factors in the development of infectious
keratitis in the district of Bratislava, Czechoslovakia, 1961.
J. Hyg., Camb. 1965, 65: 1-10. 10 refs.

NAVRATIL, P. MUDr.; NOVAKOVA, H., MUDr.; LONSKA, V. MUDr.; GABRIEL, J.,
MUDr.

Contribution to the use of plastic materials in public
health. Cesk. zdrav. 12 no.4:201-203 Ap'64

1. Fakultni nemocnice Hradec Kralove.

MIKULECKY, Z.; NOVAKOVA, J.; SIMECKOVA, V.

Neutralization of skin sensitivity to the origin of occupational dermatoses. Lek. listy Brno 7 no.7:182-186 1 Apr. 1952,
(CIAML 22:2)

1. Of the Dermatological Department (Head--Zdenek Mikulecky,
M. D.) of Kolin State District Hospital.

NOVAKOVA, J.; JIRU, P.

Kinetics and mechanism of exchange reactions of oxygen ^{18}O with
oxidation catalysts. Pt.2. Coll Cz Chem 29 no.5:1114-1121
My '64.

1. Institute of Physical Chemistry, Czechoslovak Academy of
Sciences, Prague.

STANEK, M., dr.; UJEVIC, I., inz.; NOVAKOVA, J., inz.; DOLEZALOVA, H.,
inz.

Effect of the Indian corn seed treatment by preparations containing tetramethylthiuram disulfide on the development of parasitic, saprophytic, and mycolytic microflora around the planted seed.
Rost výroba 10 no. 4:423-434 Ap '64.

1. Institute of Microbiology, Czechoslovak Academy of Sciences, Prague (for Stanek). 2. Central Research Institute of Plant Production, Ruzyně (for Ujevic). 3. Central Control and Testing Institute of Agriculture, Brno (for Novakova).

CZECHOSLOVAKIA

NOVÁKOVÁ, J.

P. B. S., A., POLAK, B., POHL, B., and NOVÁKOVÁ, J., Clinic of Occupational Diseases (Klinika chorob z povolání) Faculty of Medicine (Lékařská fakulta), J. E. Purkyně University, Brno; Docent Dr. J. VÍŠKOCIL, director; Department of Internal Medicine (Vnitřní oddělení), Faculty Hospital, Brno; Docent Dr. C. SÁKL, director; and Research Institute for Synthetic Rubber (Výzkumný ústav syntetického kaučuku), Gottwaldov, J. PECH, MD, director.

"Do Substances with Surface Activity Have Any Relation to the Manifestation of Leukemia?"

Prague, Časopis Lékařů Českých, Vol CII, No 24, 14 June 69, pp 677-678.

Abstract: Report on a fourteen-year old girl who suffered from leukemia caused by swallowing a chemical detergent. Orientation experiments were made with rats. Further tests are being planned to draw definite conclusions.

1/1

- 9 -

• PREIS, A.; POLAK, B.; POHL, B.; NOVAKOVA, J.

Do surface-active agents bear a relation to manifestations of leukemia? Cas. lek. cesk. 102 no.24:677-678 14. Je '63.

1. Klinika chorob z povolani lekarske fakulty UJEP v Brne, prednosta doc. dr. J. Vyskocil Vnitřni oddeleni fakultni nemocnice v Brne, vedouci doc. dr. O. Saxl Vyzkumny ustav syntetického kaučuku v Gottwaldove, reditel MUDr. J. Pech.

(SURFACE-ACTIVE AGENTS) (LEUKEMIA)

(NUCLEOSIDES) (BLOOD TRANSFUSION)

PONTUCH, F.; GAZAREK, F.; DRAC, P.; POKORNY, J.; UHER, M.; HPADECKY, L.;
KOHOUTEK, M.; ZIDEK, J.; CECH, E.; CERVENKA, J.; NEMEC;
NOVAKOVA, J.

Perinatal mortality in premature labor. Cesk. gynek. 29
no.6:459-466 Ag '64.

1. I. gyn.-por. klin. Lek. fak. University Komenskeho v
Bratislave (prednosta prof. dr. S. Stefanik); Gyn.-por.
klin. Lek. fak. Palackeho University v Olomouci (prednosta
doc dr. F. Gazarek, CSc.); Gyn.-por. odd. Mestskeho ustavu
narodniho zdravi v Brne (veduci MUDr. Nemecek); I. gyn.-por.
klin. Lek. fak. University J.E. Purkyne v Brne (prednosta
prof. dr. L. Havlasek [deceased]); II. gyn.-por. klin. Lek.
fak. University J.E. Purkyne v Brne (prednosta doc. dr. M. Uher,
CSc.); Gyn.-por. klin. Lek. fak. Karlovy University v Plzni
(prednosta prof. dr. V. Mikolas); I. gyn.-por. klin. Fak. vseob.
lek. Karlovy University v Prahe (prednosta prof. dr. K. Klaus,
DrSc.); Gyn.-por. klin. Lek. fak. University P.J. Safarika v
Kosiciach (prednosta doc. dr. K. Poradovsky, CSc.).

a function of the number of cells found in the fluid. A distinct
number of ... of ... found in the fluid. In ...

NOVAKOVA, Jana

6

✓ Determination of the surface area and surface structure of porous materials by physical adsorption measurements. II. The adsorption of argon above and below its melting point and the state of the adsorbed film. Vladislav Dancs and Jana Nováková (Ústav fys. chem. CSAV, Prague). Chem. listy 82, 882-90 (1988).—The adsorption isotherms of Ar on porous and nonporous adsorbents were measured at 78° and 90°K. in the whole range of the relative pressure. The course of the isotherms at 78°K. is identical with those at 90°K. when the relative pressure is related to (I) the satd. vapor pressure of the supercooled liquid Ar but not to (II) the satd. pressure of the solid phase. The values of the surface area and of the pore diam. calcd. for case I are in better agreement with those calcd. from the isotherms of Ar at 90°K. and of N₂ at 78°K. The results support the assumption that the adsorbed layer is in a liquid state, even at temps. below the m.p. of the bulk solid phase. E. Erdős

244
J. J. Alp

NOVAKOVA, J.

V The determination of the surface and structure of porous materials and catalysts by measurement of physical adsorption. III. The determination of the pore-distribution of solids from the adsorption isotherms of argon. IV. Dancš and J. Nováková (Ústav fyzikální chemie, ČSAV, Prague). Collection Czechoslov. Chem. Commun. 24, 1914-23(1959); cf. C.A. 53, 11937f. — The method of Pierce (C.A. 47, 7287A) is modified for the case of adsorption of Ar. The thickness of the adsorption layer of Ar as a function of its relative vapor pressure was detd. from the adsorption isotherms of Ar on nonporous solids (TiO_2 , SiO_2 , C black) at the b.p. of liquid O_2 . The pore distributions of Al_2O_3 , SiO_2 gel, Fe_2O_3 , and MgO obtained from the Ar adsorption are compared with the results obtained from the N-adsorption measurements; the 2 series agree well.

R. Erdős

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NOVAKOVA, J.; DANES, V.

Formation of active substances and catalysts. IV. Changes in the size and structure of the surface of nickeloxalate and its products during decomposition in a vacuum. Coll Cz Chem 25 no.4:1118-1125 Ap '60.
(EEAI 9:12)

1. Institut für physikalische Chemie, Tschechoslowakische Akademie
der Wissenschaften, Prag
(Catalysts) (Nickel oxalates)
(Surface chemistry)

DANES, V.; NOVAKOVA, J.

Formation of sorbents and catalysts. V. Changes of the surface area and structure of nickel oxalate and its decomposition products during decomposition in various gases as governed by the production conditions of the original substance. VI. Changes of the surface area and structure of magnesium oxalate, and of the magnesium oxide formed from it, in the course of the decomposition process. Coll Cz chem 25 no.10:2477-2491 0 '60. (EEAI 10:9)

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

(Sorbents) (Catalysts) (Nickel oxalates)
(Magnesium oxalate) (Magnesium oxide)

NOVAKOVA, J.; DANES, V.

On the formation of sorbents and catalysts. Part 3: Examination of the effect of gas forming medium on the decomposition mechanism of nickel(II) oxalate; device for determining S- α -curves. Coll Cs Chem 27 no.5:1105-1118 My '62.

1. Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

NOVAKOVA, Jana, inz.

Determination of the free silicon in glass. Sklar a keramik
Suppl.: 13 no.3:70-71 Mr '63.

1. Vyroba panvi a vyvoj uzitkového skla, narodni podnik,
Novy Bor.

JIRU, P.; NOVAKOVA, J.

Kinetics and mechanisms of exchange reactions of oxygen ^{18}O with
oxidation catalysts. Part 1. Coll Cz Chem 28 no.1:1-10 Ja '63.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences,
Prague.

NOVAKOVA, Jitka

Use of the method of respiration quotient determination
during the ripening of organic fertilizers. Rost vyroba
9 no.7/8:767-770 J1-Ag '63.

1. Vyzkumny ustav meliorace, Praha.

NOVÁČKOVÁ, Jitka, promovena biologka; KITACEK, Milan, dr. 170.

Determining the intensity of photosynthesis of leaf disks
in two varieties of sugar beet and celery by the weight.
Rost výroba 11 no.2:171-172. P. 1965.

1. Department of plant physiology and genetic physiology of
the Institute of Experimental Botany of the Czechoslovak
Academy of Sciences, Prague 6, Flemingova nam.2 (for Nováková)
2. Department of Radiobiology of the Institute of Experimental
Botany of the Czechoslovak Academy of Sciences, Prague 6, Ke
dvoru 16 (for Kitacek). Submitted September 10, 1965.

HRBEK, A.; NOVAKOVA, L.; PAPEZOVA, J.

Examination of the vegetative nervous system in children. Acta univ.
carol.[Med] no.2:203-218 '61.

1. Neurofysiologicke oddeleni Ustavu vyzkumu vyvoje ditete fakulty
detskeho lekarstvi University Karlovy, reditel prof. MUDr. J. Houstek.

(AUTONOMIC NERVOUS SYSTEM in inf & child)

NOVAKOVA, Ludmila

Primary aldosteronism. Cesk. pediat. 16 no.11:1017-1021 11 '61.

1. Detska klinika KU v Hradci Kralove, prednosta prof. dr. Jiri
Blecha.

(ALDOSTERON.)

SCHNELEROVA, M.; NOVAKOVA, M.; DUJKOVA, V.

Incidence of congenital defects in the Newborn Department of the University Hospital in Brno during the period 1957 to 1961. Cesk. pediat. 19 no.3:193-197 Mr'64.

1. Novorozenecke oddeleni fakultni nemocnice v Brne; vedouci: MUDr. M.Schnellerova.

*

POKORNY, J.; AVBATOVA, L.; M. J. 1974, M.

Is induced labor a suitable intervention? Gyn. 29
no.6:523-524 Apr '64.

1. J. gyn.-por. klin. lek. fak. v Brne (prednosta prof. dr.
L. Havlasck [deceased]) - Lovorecz, ovd. lek. nem. v Brne,
(vedouci MUDr. H. Schmellerova).

POKORNY, J.; NOVAKOVA, M.; AVPATOVA, L.

Importance of hospitalization of pathological pregnancy in the prevention of perinatal mortality. Cesk. gynek. 29 no.6:482-484 Ag '64.

1. Gyn.-por. klin. lek. fak. University J.E. Purkyně v Brně (vedoucí prof. dr. L. Havlasek) a Novorozen. odd. fak. nem. lékařského národního výboru v Brně (vedoucí MUDr. M. Schnellerova).

NOVAKOVA, Magdalena, MUDr.

Experiences in the Newborn Department of the Regional Obstetric
Clinic in Brno with hemolytic disease of newborn. Cesk. pediat.
. 12.no.7:630-632 5 July 57..

I. Krajska klinicka porodnice v Brne. -- I. porodnicko-gynekol. klinika,
prednosta prof. Dr. L. Havlasek. -- III. Porodnicko-gynekol. oddeleni,
prednosta prim. Dr. A. Cernoch -- Novorozenecke oddeleni k. k.
porodnice v Brne, prim. Dr. M. Schnellerova.

(ERYTHROBLASTOSIS, FETAL, statist.

hosp. statist. (Cz))

MACEK, Milos; KORECKY, Bohuslav; za spoluprace: NOVAKOVA, Marie; KULIKOVE, Evy

Ventilation test in asthmatic children. Cesk.pediat.15 no.6/7:604-609
Jl'60.

1. I. detska klinika KU v Praze, prednosta prof. MUDr. Josef Svejcar
Katedra farmakologie a experimentalni patologie, prednosta prof.
MUDr. Helena Raskova.

(ASTHMA in inf & child)

(RESPIRATION physiol)

MACEK, Milos; NOVAKOVA, Marie; STEFANOVA, Jirina; KULIKOVA, Eva

Results of physical exercise therapy in asthmatic children.
Cesk.pediat.15 no.6/7:651-654 J1'60.

1. I. detska klinika KU v Praze, prednosta prof.MUDr.Josef Svejcar.
(ASTHMA in inf & child)
(EXERCISE THERAPY in inf & child)

NOVAKOVA, Marie

Studies on changes of thoracic shape in certain diseases of
childhood. Cesk.pediat. 15 no.8:678-685 Aug '60.

1. I detska klinika, prednosta prof. MUDr Svejcar, oddeleni asist..
MUDr. Macka.

(THORAX)

(PEDIATRICS)

(ANTHROPOMETRY)

BAR, V.; NOVAKOVA, M.; MACEK, M.

Changes in physical condition and ventilatory function of asthmatic children and long term results of climatotherapy. Cesk.pediat. 15 no.9:766-771 S '60.

1. Detska lecebna ve Velkych Losinach, reditel MUDr. V.Bar.
(ASTHMA in infancy & childhood)
(CLIMATE ther.)

SCHNELEROVA, M.; NOVAKOVA, M.

The importance and appearance of staphylococcal infections in newborn wards. Cesk. pediat. 16 no.5:463-465 My '61.

1. Novorozenecke oddeleni fakultni porodnice v Brne, prednosta prim.
MUDr. Milada Schnellerova.

(INFANT NEWBORN dis)
(STAPHYLOCOCCAL INFECTIONS in inf & child)

SCHNELEROVA, M.; NOVAKOVA, M.

Significance and occurrence of staphylococcal infections in newborn wards. Cesk. gyn. 26[40] no.4:319-322 '61.

1. Novorozenecke oddeleni fak. porod. v Brne, predn. prim. MUDr. Milada Schnellerova.

(STAPHYLOCOCCAL INFECTIONS in inf & child)
(INFANT NEWBORN dis) (HOSPITALS)

NOVAKOVA, M.; KONECNA, D.

Deepening the cooperation between prediatricians and psychologists
in newborn wards. Cesk. g/m. 26 [40] no.7:528-530 1g.'61.

1. Novor. odd., prednosta prim. dr. Schnellerova, Fak. por. v Brno,
I. gyn. por. klin. UJEP, prednosta prof. dr. L. Havlasek, a II.
gyn. por. klin. UJEP, prednosta doc. dr. M. Uher.
(INFANT NEWBORN) (PSYCHOLOGY)

FAFL, B., MUDr.; NOVAKOVA, M., MUDr.

Dispensary services for children with ocular diseases and defects.
Zdrav. actuality no. 147:148-157 '61.

(OPHTHALMOLOGY) (HOSPITAL OUTPATIENT SERVICE)
(PEDIATRICS hosp & clin)

MACEK, M.; NOVAKOVA, M.; KORECKY, B.

Proposal for a new expiratory index received from the curve of expiration in timed vital capacity of the lungs. Cesk. pediat. 17 no.1:38-43 Ja '62.

1. Oddeleni telovychovneho lekarstvi katedry nemocnici pediatrie, prof. dr. J. Svejcar Katedra farmakologie a experimentalni patologie, predn. prof. dr. H. Raskova.

(RESPIRATION physiol)

NOVAKOVA, M.

Methods and results of the work of the district educator in following up the neuropsychic development and education of children in nurseries. Cesk. pediat. 20 no.9:825-828 5 '65.

1. II. detska klinika fakulty detskeho lekarstvi Karlovy University v Praze (prednosta prof. dr. J. Houstek, DrSc.).

POKORNA, M.; NOVAKOVA, M.; LACKOVA, E.

Effect of prolonged corticoid therapy on the growth of children.
Cesk. pediat. 20 no.10:860-866 ('65).

1. I. detska klinika fakulty detskeho lekarstvi Karlovy University
v Praze (prednosta prof. dr. J. Svejcar).

24.4/100
AUTHORS: Brdička, Miroslav, Nováková-Dvořská, Markéta and Dvořáček, Zbyněk ^{EO72/E335}
Z/037/60/000/02/008/018
TITLE: On Two Approximate Methods of Computation of Longitudinal Oscillation Frequencies of Homogeneous and Isotropic Bars²⁶
PERIODICAL: Československy casopis pro fysiku, 1960, Nr 2, pp 136 - 146
ABSTRACT: The authors review the two best known approximate methods of computation of longitudinal oscillation frequencies of rectangular and circular cross-section bars, namely, those of Rayleigh (The Theory of Sound, Vol I, London 1926, 251-252) and of Giebe and Blechschmidt (Ann. d. Phys. 18 (1933), 5, 417, 457). The correction introduced by Rayleigh improves the frequency equation only for some of the lower oscillation frequencies but at higher frequencies there is still a considerable divergence between the corrected equation and the measured frequencies. A much better agreement between calculated and measured frequencies is obtained by the calculations of Giebe and Blechschmidt, who derived a frequency equation on the basis of the theory of coupled oscillations
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E073/E335

On Two Approximate Methods of Computation of Longitudinal Oscillation
Frequencies of Homogeneous and Isotropic Bars

of systems with a finite number of degrees of freedom. The fields of application of both methods and some of their disadvantages are discussed. The authors also review the work of Mindlin and Herrmann (Columbia Univ., NY, Dept. Civ. Eng., Sept., 1951) (this paper was not available to the authors - only a review of same by Malvern - Appl. Mech. Rev. 5, 1951, 1308) and the work of Mindlin (J. Appl. Phys. 22, 1951, 316), although this does not relate directly to homogeneous and isotropic rods. The paper deals in particular detail with the theories of Rayleigh and Giebe and Blechschmidt, which formed the starting point of experiments by the authors of this paper to obtain a better agreement between calculated and measured frequencies and the result of this work forms the subject of a separate paper. The authors conclude that the relative failure of the Giebe-Blechschmidt theory of longitudinal oscillations for rods of rectangular and circular cross-section can be understood by considering the success of this theory

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4/037/60/000/02/008/018

E073/E335

On Two Approximate Methods of Computation of Longitudinal Oscillation
Frequencies of Homogeneous and Isotropic Bars

for thin tubes. In the latter case, the conception of coupling two suitable oscillation systems leads to results which can be obtained from theoretical considerations based on the fundamental dynamic equations of the theory of elasticity and this also explains the good agreement between calculated and measured frequencies. Giebe and Blechschmidt tried to apply this procedure, which was successful for thin tubes, for rods of circular and rectangular cross-section. The thus obtained results are not sufficiently related with the theory of elasticity although in the first series of experiments the measured values of the frequencies of rods of longitudinal and circular cross-section were in good agreement with the values predicted by the coupling theory. It appears that the main difficulty of their theory is their adherence to the dead zone, which is contradicted even by their own measurements. The question arises whether addition of higher frequencies of transverse oscillations would not be helpful in the case; from the point of view of the

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E073/E335

On Two Approximate Methods of Computation of Longitudinal Oscillation
Frequencies of Homogeneous and Isotropic Bars

Giebe-Blechsmidt theory the value of the coupling parameter will become important since according to the conception of both authors the character of the coupling would no longer be the same. The authors of this paper believe that the question of coupling parameters is more complex than appears from the Giebe-Blechsmidt theory, according to which the magnitude of the coupling parameters does not depend on the class of longitudinal oscillations and is equal for all the theories. Its determination from limit frequencies is also doubtful in spite of the fact that the results have justified this procedure to some extent. Thus, the theory of Giebe and Blechsmidt (or the theory of Giebe and Scheibe) was fully successful as long as the results obtained were equal to those obtained by the theory of elasticity, i.e. for thin-walled tubes. It appears that by introducing coupling between systems with finite degrees of freedom the laws of the theory of elasticity are not fully adhered to in the case of solid

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4/037/60/000/02/008/018

EO73/E335

On Two Approximate Methods of Computation of Longitudinal Oscillation Frequencies of Homogeneous and Isotropic Bars

rods. Therefore, the authors have attempted to derive approximate equations for the frequencies of oscillation of solid rods by another method described in an earlier paper (Čs.Čas.fys. 8(1958), 508). As starting equations

$$e_{22} = -\sigma e_{11}, \quad e_{33} = -\sigma e_{11} \quad (2.8)$$

$$\frac{\partial v}{\partial y} = -\sigma \cdot \frac{\partial u}{\partial x}, \quad \frac{\partial w}{\partial z} = -\sigma \cdot \frac{\partial u}{\partial x} \quad (2.9)$$

were used, where e_{ij} are the strain components and $u_2 \equiv v$ and $u_3 \equiv w$ are the components of the elastic displacements in the direction of the y and z axes. the equations were generalised. i.e. instead of the Poisson constants σ , the two parameters φ and ψ were introduced, which as a general rule vary with the

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E073/E335

On Two Approximate Methods of Computation of Longitudinal Oscillation
Frequencies of Homogeneous and Isotropic Bars

order of the oscillations and for their determination a condition is introduced that the appropriate frequency assumes a steady-state value. Under certain simplifying assumptions the authors succeeded in obtaining equations for frequencies, the results of which are approximately in as good agreement with the measured results as results calculated according to the Giebe and Blechschmidt theory and there is the advantage that this method does not rely on the conception of a dead zone. There are 18 references, of which 9 are English, 8 German and 1 Czech.

ASSOCIATIONS: Matematicko-fyzikální fakulta University Karlovy, Praha
(Department of Mathematics and Physics, Charles University,
Prague)

Výzkumný ústav matematických strojů, Praha
(Computer Research Institute, Prague)

Ústav technické fyziky ČSAV, Praha
(Institute of Technical Physics, ČSAV, Prague)

Card6/6

SUBMITTED: December 1, 1959

NO. 1, 1961

SOURCE (in caps); Given Name

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation: [not given]

Source: Prague, Meteorologické Zpravy, Vol XIV, No 1-2, 30 April
1961, pp 35-41

Date: "Some Comments on Measurement with a Small Scholz
Condensation Nuclei Counter."

Authors:

PODZISEK, J

PERDIHOVA, A

NOVAKOVA, M

261

NOVAKOVA, Marketa; VLCEK, Jaroslav

Method of programming the simplex-method procedure on a digital computer. Stroje na zprac inf 8:171-180 '62.

1. Research Institute of Mathematical Machines, Prague.

KUCERA, Jaroslav, inz.; NOVAKOVA, Marketa

Use of automatic computers for solving the linear programming tasks. Podnik organizace 16 no.12:562-565 D '62.

1. Technickoeconomicky ustav hutniho prumyslu a rudnych dolu (for Kucera). 2. Vyzkumny ustav matematickych stroju, Ceskoslovenska akademie ved, Praha (for Novakova).

NOVAKOVA, Marketa; VLCEK, Jaroslav

Orientation in multidimensional tables by means of ordinal numbers. Stroj na zprac inf 9:115-124 '63.

1. Research Institute of Mathematical Machines, Prague.

L 26374-65 EWT(m) IJP(c)

ACCESSION NR: AT4049964

Z/2511/61/000/001/0401/0406

AUTHOR: Silar, J. (Shilar, I.) (Prague); Novakova, O. (Prague); Smola, J. /8
(Smola, I.) (Prague) 7

TITLE: Detection of low alpha-radiation activity by scintillation detectors 19 B+1

SOURCE: Prague. Ceske vysoke uceni technicka. Praca. Ser. 6, no. 1, pt. 2, 1961,
401-406

TOPIC TAGS: radiation detection, alpha radiation, scintillation detector,
natural radiation, zinc sulfide, decay series, uranium, thorium, uranium thorium
decay series, pulse counter, photomultiplier

ABSTRACT: A study was made of several types of developmental and commercial
powdered ZnS(Ag) produced in Czechoslovakia, and they were compared with samples
of ZnS(Ag) produced abroad with a view to finding a detector of low alpha-radia-
tion activity. A zinc sulfide with the lowest possible natural activity of alpha
radiation, which is obtained by a content of uranium, thorium, and the members
of their decay series, would be required. The parameters of scintillation detec-
tors for alpha radiation which were measured on the developmental samples or on

Card 1/2

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samples from the verification series are given. The scintillation sondes were staged with type 61PK411 or type 61PK421 photomultipliers of VUVET, Prague, production. The estimates were made with a simple electronic device for scintillation detectors (of VZ-Industry production) and with a type ZVIL pulse counter. The background of the detector and the threshold sensitivity are given along with the properties of the α -detectors developed in Czechoslovakia. Orig. art. has: 4 tables and 1 formula.

ASSOCIATION: VZ-Premysleni (VZ Industry)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, EC

NO REF SOV: 000

OTHER: 001

Card 2/2

1 33955-01 RT(2)/RMA(1)
Accession No. K140490

1/25/11/6/000/001/0401/0012

AUTHOR: Novakova, O. (Prague); Silar, J. (Shilar, I.) (Prague)

TITLE: Detection of gamma and beta radiation of extremely low activity in liquid samples

SOURCE: Prague. Ceske vysoke uceni technicke. Prace. Ser. 6, no. 1, pt. 2, 1961, 407-412

TOPIC TAGS: dosimetry, gamma radiation, beta radiation, radiation detection, low activity radiation, specific activity, low energy radiation

ABSTRACT: The article reviews the requirements of a detector for accurate measurement of gamma and beta radiation of extremely low activity in liquid preparations. At the VZ Premysleni factory scintillation detectors have been developed for the measurement of samples of less than one-liter volume for gamma and beta radiation of medium and higher energies. On the basis of the results discussed and other experimental measurements made at the factory, it is concluded that scintillation de-

cific activity of 10^{-9} c/l in liquid samples. The required accuracy, of course,

Card 1/2

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ACCESSION NR: AT4049965

makes it necessary to lengthen the measurement time to the order of hours. The lowest measurable activity for both gamma and beta radiation is dependent on the type of isotope measured, i.e., on the energy of the measured radiation. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: VZ Premysleni

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 000

CZECHOSLOVAKIA/Optics - Luminescence

K-6

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 19067

Author : Novakova Olga

Inst : Karlovy Univ. Prague, Czechoslovakia

Title : Spectral Composition and Intensity of Luminescent Glow of
Photographic Emulsion

Orig Pub : Ceskosl. casop. fus., 1957, 7, No 3, 279-282

Abstract : An investigation was made of the influence of pre-exposure and of pressure on the spectral composition and intensity of fluorescence of positive and negative photographic materials at low temperatures. The pre-exposure causes a reduction in the intensity of luminescence of the photosensitive layers over the entire spectrum. This reduction depends on the temperature at the preliminary illumination (it diminishes with diminishing temperature), and on the time of the pre-exposure (the reduction in the intensity increases with increasing time). In the case of static pressure and in the case of impact, the spectral composition of the luminescence remains unchanged, but the

Card : 1/2

NOVÁKOVÁ, Olga.

ar
1/1
Spectral composition and intensity of luminescent radiation of a photographic emulsion.¹⁴ Olga Nováková, Czechoslovak. J. Phys. 7, 478-80(1957). A study is made of the spectral compn. of luminescent radiation of various photographic materials and of the effect of preexposure and pressure on the spectral compn. and intensity of luminescent radiation. The spectral compn. of luminescent radiation was detd. spectrographically. The decrease in intensity of the luminescent radiation was detd. relatively on the basis of the characteristic curve of the plate used for recording. N. I. Silverman

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Distr: 4Ehc/4E3d/4E3c